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April 9, 2019

Linda Meyer
USEPA Region 10
1200 Sixth Avenue, Suite 155 (ECL-122)
Seattle, Washington 98101

Re: Midnite Mine Monthly Report – March 2019; Midnite Mine Superfund Site, Spokane Indian Reservation, WA, RD/RA Consent Decree, No. CV-05-020-JLQ

Dear Ms. Meyer:

In accordance with the RD/RA Consent Decree (CD) for the Midnite Mine, the following presents the Monthly Report for March 2019. The requirements for the Monthly Report as specified in the CD and the associated Statement of Work (SOW) are quoted, followed by the required information:

a) Describe the actions which have been taken toward achieving compliance with this Consent Decree during the prior month:

- Interim Water Treatment Plant and Surface Water Collection System Operation

  → The WTP closed down operations on November 9, 2018 for the season. WTP operation will recommence in April 2019. The surface water collection system continued to operate as usual.

- Phase I RD/RA OM&M Plan (including QAPP, HASP)

  → Revision 3 of the Operation, Maintenance and Monitoring (OM&M) Plan was submitted to EPA on January 31, 2014, and incorporates the addition of the Filter Press to the water treatment plant. Comments were received from EPA on May 20, 2014. A revised OM&M Plan and Response to EPA comments was submitted on June 20, 2014.

- Sitewide Monitoring Plan (SMP)

  → The SMP data transmittal for the second half of 2018 was submitted on March 27, 2019.

- Residuals Management Plan (RMP) / Sludge Management

  → The updated RMP, Revision 15, was submitted on March 21, 2017. EPA approved this revision on March 21, 2017. On January 9, 2019 a letter notifying EPA that an annual review of the RMP was conducted and it was determined that the current RMP remains appropriate for 2019. Water treatment plant residuals will continue to be managed and shipped for off-site processing at the Energy Fuels White Mesa Mill as documented in the March 21, 2017, Revision 15, RMP. Therefore, the RMP will not be changed at this time.

  → On May 20, 2014, Revised SOPs for managing residuals at the WTP were submitted to EPA. Comments were received from EPA on June 12, 2014. Responses to comments and revised SOPs were submitted on June 30, 2014.

→ In accordance with the RMP, EPA will be notified at least three weeks prior to the beginning of shipment of sludge from the 2019 treatment season so that the Off-Site Rule notification can occur as required. Continued notification will occur every 60 days to confirm that the Energy Fuels facility continues to be acceptable to receive sludge under the Off-Site Rule.

→ As the WTP was not in operation, sludge was not shipped during March.

- Pre-Design Data Needs Report

The following summarizes the open and on-going items related to the Pre-Design Data Needs:

→ A Rhoads Borrow Area Plan of Operations was submitted to the Tribe on October 9, 2012. Comments were received from the Tribe on August 26, 2013. Responses to these comments were submitted to the Tribe on September 6, 2013. A Revised Plan of Operations (POO) was submitted to the Tribe on November 12, 2013. On February 24, a resolution from the Spokane Tribal Council was received authorizing use of the Rhoads property with conditions. Additional modifications to the POO including an updated cost estimate were submitted to the Tribe.

→ On July 30, 2014, DMC was granted an Administrative Conditional Use Permit (ACUP) with a final decision and determination of non-significance from Stevens County to develop the Rhoads Borrow Area.

→ Additional permits from the State of Washington will be required prior to the development of the resources. The first use of borrow material from the Rhoads Borrow Area is scheduled for the summer of 2021. It is anticipated that application for the remaining permits will be submitted before December 2020. These permits include:

- Forest Practices Act Permit – WA State DNR
- Mine Reclamation Permit – WA State DNR
- Storm Water NPDES – EPA
- 401 Certification – Tribe

→ As EPA requested, Midnite Mine Western Drainage Alluvial wells pumping rates, water levels, and the updated version of Figure 1 from the testing plan is included in the monthly report as Attachment 1.

→ The fieldwork for Phase I of the Work Plan for Whitetail Creek Sediment Evaluation was completed on August 23, 2013, and the Phase I Data Transmittal Report providing the results and proposed Phase II sampling was submitted on September 6, 2013. Additional information was provided on September 18, 24, and 27th. Upon discussion of the results with EPA, EPA requested that the scope of work for the Phase II investigations be modified from the Work Plan. EPA provided written comments on September 30, 2013. Additional information was provided to EPA on October 9, 2013, documenting the agreed upon modifications. The Phase II field investigation and sampling was conducted the week of October 14, 2013. The Phase I, Revision 1 Data Transmittal Report, response to EPA comments, and Phase II, Revision 0 Data

Transmittal Report were submitted to EPA February 20, 2014. EPA provided comments on the Phase II Report on May 19, 2014. A Revised Phase II report and response to comments was submitted to EPA on June 18, 2014. EPA provided another set of comments on July 24, 2014. A Response to Comments and Revised Phase II report was submitted to EPA on August 25, 2014.

→ The final work plan to investigate the old Man Camp well as a possible water supply source was submitted on June 5, 2013. On October 2 and 3, 2013 a new Water Supply Well for the Midnite Mine was located, drilled and completed for possible use as a potable water supply during remedy implementation. The well was developed on October 4, 2013 using air lift for 3 hours. The well produced 4 to 5 gpm during the entire development process without going dry. The pumping tests and water quality analyses were initiated May 20, 2014, and final laboratory data were received in August 2014. The data evaluation report was submitted to EPA on November 21, 2014. It was requested by EPA on December 2 to resample the well for water quality analyses to include total metals, field parameters and general chemistry. The well was resampled on January 8, 2015, and results were received on January 28, 2015. The updated Man Camp well report with the supplemental data was submitted on February 27, 2015.

→ A work plan for the installation of the additional monitoring wells requested by the Tribe in the lower portion of Blue Creek was submitted on March 3, 2014. Comments were received from EPA on April 9, 2014. A revised work plan and Response to Comments was submitted to EPA on May 9, 2014. Additional comments were received from EPA on May 16. A Revised work plan, QAPP and response to comments were submitted to EPA on May 29, 2014. EPA approved the work on May 30, 2014. The wells were installed in October. A well completion report was submitted on December 1, 2014.

→ The Blue Creek and Delta Assessment Work Plan was submitted to EPA on October 3, 2011. Comments were received from EPA on June 13, 2014. A meeting was held on June 25 to discuss the work. One conclusion of that meeting was that additional work needed to be done to define or redefine the scope and objectives of the overall Blue Creek contingency as well as the assessment work plan. It was therefore decided that responding to EPA comments and updating the assessment work plan would be premature at this time. A field reconnaissance to determine the approximate location and thickness of sediments in Blue Creek occurred on March 9, 2015. A report with the results of the field reconnaissance was submitted on April 21, 2015. EPA provided comments on the reconnaissance report on June 8, 2015. Responses to those comments and a revised report were submitted on July 7, 2015. Comments on the revised report were received on August 5, 2015. A draft revised report was submitted on September 1, 2015. The final revised report was submitted on September 15, 2015 and the revision was approved by EPA on September 17, 2015.

- <u>Fencing and Signage Plan</u>

→ On October 8, 2018, EPA was notified that, consistent with actions in previous years, fence inspections would be discontinued beginning in November, 2018 and would recommence in April, 2019.

- Treatability Test Plan (TTP)

  → A Response to the EPA Pilot Scale Study Comments and Revised Report was submitted to EPA on March 7, 2013.

- Interim Water Treatment Plant Modification

  → On February 1, 2013, modifications were made to the previously approved filter press design to change the location of the press. On February 20, 2013, EPA conditionally approved the design of the filter press. On March 25, 2013, a response was submitted to address the conditions in the approval. On April 4, EPA commented on the radon mitigation measures for the filter press building. Responses to those comments and design modifications were submitted on April 9, 2013. On April 15, 2013, the Work Plan, Quality Assurance Plan and the Health and Safety Plan for the construction of the Filter Press were submitted. Comments on these documents were received on May 7, 2013. Revisions to address the comments were submitted on June 6. Construction of the filter press was initiated in July 2013. A pre-final inspection was conducted by EPA contractors on February 19, 2014. The filter press construction was completed in March. A site inspection was conducted by EPA contractor on May 22, 2014. A final inspection report was received on June 13, 2014. A completion report was submitted on July 11, 2014.

- EPA WQX Database

  → There were no data uploaded into the WQX Database in March. The second half 2018 SMP data will be uploaded to WQX in April.

- Remedial Design

  → A final submittal of the 100% design was submitted on October 30, 2015. EPA approved the Final 100% design on November 2, 2015.

  → The Final Remedial Action Work Plan (RAWP) was submitted on April 30, 2016. EPA approved the RAWP on May 2, 2016. The RAWP was updated to reflect the 2018 construction plan including the change in remedial action construction management. This update was completed on May 25, 2018 and EPA provided formal approval of the entire updated RAWP on May 25, 2018.

  → As approved by the EPA, the design of the WTP and discharge pipeline was held at the 60% stage pending the ongoing NPDES permitting process. The 90% design for the WTP was submitted on August 27 and the 90% design of the discharge pipeline was submitted on August 29, 2018. EPA provided comments to the 90% design documents on October 9, 2018. The 100% design for the WTP and discharge pipeline was submitted on December 4, 2018. EPA was notified during a meeting on February 5, 2019 that the WTP design was being re-evaluated and additional information would be provided to support the redesign.

→ An Institutional Controls and Implementation and Assurance Plan (ICIAP) was submitted to EPA on May 11, 2012. On September 30, 2013, EPA disapproved the plan and provided comments. A response to comments and revised ICIAP was submitted February 20, 2014.

→ On December 10, 2014, EPA submitted a letter outlining additional requirements for determination of wetlands and waters of the US to be in substantive compliance with Section 404 of the Clean Water Act. A meeting was held with EPA on December 18, 2014 to discuss these issues. Preliminary data were submitted via e-mail to EPA to address specific issues outlined in the December 10 letter on January 26, 2015. A more detailed wetlands delineation report was submitted on February 2, 2015. Additional information on the delineation was requested on February 26 and was submitted on March 9, 2015. A conceptual wetlands mitigation plan was submitted on March 16, 2015. A site visit to review wetlands issues occurred on April 14-16, 2015. A revised wetlands delineation report incorporating information from the field trip was submitted on May 8, 2015. A meeting was held on July 16 to discuss the anticipated hydrologic conditions in the drainages and wetlands after implementation of the Remedy. EPA provided their field summary on September 18, 2015.

- Remedial Action

The Remedial Action Work Plan (RAWP) specified information that would be submitted in the monthly report relative to the Remedial Action (RA). Each of these items are addressed below.

- Progress made this month

→ The RA construction activities were discontinued on November 2, 2018 for the season. Care and maintenance activities continued in March consisting of the following:

- Storm water management
- Snow removal from access roads and walkways
- Maintenance of construction equipment
- Continued dewatering Pit 4
- Continued operation of the site water management system
- Preparation for 2019 activities including project planning and personnel training

→ It was proposed on November 1 that weekly reports detailing site activities would be discontinued after the week ending November 2. EPA approved this proposal on November 1, 2018. Weekly reporting will recommence with the beginning of construction activities which are scheduled to begin on April 1, 2019.

- Problems resolved last month

→ There were no problems last month.

- Problem areas and recommended solutions

→ None

- Deliverables submitted last month

→ Deliverables associated with the RA in March included the following:

- A memorandum was submitted on July 24, 2018 to request an Explanation of Significant Difference (ESD) to revise the Site cleanup levels for Surface Materials. This request was based on-site cleanup experiences using the existing cleanup levels and on a reevaluation of EPA's background investigation and data that were collected for the Site. EPA provided comments to this memo on August 13. Responses to these comments were submitted on August 16. A conference call was held on August 23 to further discuss this issue. Additional information was submitted to EPA on September 5, 2018. A meeting was held to discuss this topic on October 22, 2018 and February 5, 2019. Additional background information was submitted on November 13, November 26, 2018, January 10, February 13 and February 18, 2019. Monthly conference calls have been scheduled to continue discussion of this topic. No meeting was held in March however, a meeting is scheduled for April 11.
- On January 29, 2019 a letter was submitted with a proposal to move the crew lunch room facility to Area 5 to better support the 2019 construction activities. EPA provided comments to this work plan on February 13. A conference call was held on February 14 to further discuss the Work Plan. A revised Work Plan was submitted on February 28 based on the EPA comments and the conference call. EPA provided comment on March 7, 2019.
- A revision to the Emergency Response Plan (ERP) (Appendix D of the RAWP), including the Spill Prevention Control and Countermeasures Plan (SPCC) (Attachment D-1) was submitted on February 12, 2019. EPA provided comments on the SPCC on March 15. EPA provided comment to the ERP on March 17. EPA provided additional comment on the ERP on March 18, 2019.
- A revised Health and Safety Plan (HASP) (Appendix L of the RAWP) was submitted on March 1. EPA provided comments on the HASP on March 17 and provided additional comments on March 18. A revised HASP addressing the comments was submitted on March 29, 2019.
- The 2018 Annual Remedial Action Summary Report was submitted on March 14, 2019.
- A revised Radiation Protection Plan (RPP) (Attachment L-1 to the HASP which is Appendix L of the RAWP) was submitted on March 12, 2019.
- Notification was provided to EPA on March 27 that the Spokane Tribal Department of Natural Resources indicated that there were no known eagle nests near the mine site where construction activities will occur in 2019. This evaluation was done in compliance with Appendix M of the RAWP – Regulatory Requirements Documentation.

- Air Monitoring

  Air monitoring was discontinued in November and will recommence with construction activities in April 2019. The air monitoring report for the 4th quarter of 2018 was submitted on February 6, 2019.

- Vertical Dewatering Wells

  → There were no issues with the construction or operation of the dewatering wells.

- Alluvial Dewatering Trenches

  → There were no issues with the construction or operation of the Alluvial Dewatering Trenches as construction for these trenches has yet to begin.

- Construction Water

  → There was 3200 gallons of off-site and no on-site construction water utilized during March.

- Submittal Register

  → Items included in the submittal register were previously documented in the weekly reports but will be included in the monthly report until weekly reporting recommences. Submittals during March are summarized on Table 1.

Table 1 – Submittal Register

Project Submittals			
Submittal No.	***Title***	***Submittal Date***	***CQA Approval Date***
None			
Project ECNs			
ECN No.	***Title***	***EPA Submittal Date***	***EPA Response Date***
None			
Project RFIs			
RFI No.	***Title***	***CQC Submittal Date***	***CQA Response Date***
RFI 2019-03	Placement of Wood Chips in Waste Containment Areas	3/11/2019	3/15/2019 Approval Denied by EPA Provide Additional Information Based on EPA Request to Address 5 Items Outlined in their Response
Project NCNs			
NCN No.	***Title***	***CQA Issue Date***	***CQC Response Date***
None to Date			
CQA-CQC Field Acceptance Forms			
Acceptance No.	***Title***		***CQC-CQA Issue Date***
None			
Other Items			
Item	***Title***		***Comments***
None			

A copy of the updated CQA Logs are provided on the project SharePoint site

- <u>Storm Water Management</u>

  → Implementation of storm water management best management practices (BMPs) continued in March in accordance with the Storm Water Management Plan. There were no storm water issues in March.

- <u>Schedule updates/potential schedule delays</u>

  → EPA was notified that a schedule for the 2019 construction activities would be submitted in April. This schedule will be for 2019 activities only since future activities will be dependent on resolution of the background based cleanup standards.

- <u>Activities planned for the next month</u>

  → Activities planned for April 2019 include the following:

  - Begin construction activities consisting of recommencing of Pit 4 backfilling.
  - Continue storm water management measures in accordance with the Storm Water Management Plan.
  - Recommence air monitoring program in accordance with the Dust Control and Air Quality Monitoring Plan

- Continued discussions with EPA regarding cleanup levels.
- Continue updating RAWP documents and finalization of Work Plans for 2019 field season.

- Summary of confirmation sampling

  → There was no confirmation sampling or reporting in March.

- Key personnel changes

  → None.

- Health and safety issues

  → There were no Health and Safety issues in March.

- Coordination activities

  → Routine coordination activities between Newmont, CQA/CQC contractors, and various other contractors and EPA occurred in March. Training activities for health and safety as well as equipment operation occurred in March.

- Estimated percent complete

  An evaluation of the percent complete was conducted using the Schedule from Appendix X of the Remedial Action Work Plan which was updated and approved by EPA in April 2018. The schedule shows that the construction is anticipated to occur over an additional eight years, 2018 through 2025.

  As submitted in the October 2018 Monthly Report, construction is at or ahead of the schedule presented in Appendix X and the percent complete remains at 25.5%.

- Project modifications/field adjustments/change orders

  → There were no field adjustments/change orders in March.

b) Include a summary of all results of sampling and tests and all other data received or generated by Settling Defendants or their contractors or agents in the previous month;

- There was 0.80 inches of precipitation recorded in March at Midnite Mine. The daily weather data output for March, which is collected on-site as part of the air monitoring system, is included in Attachment 2. Flow in the Western Drainage was approximately 36 gpm on March 14, 2019 and increased to approximately 316 gpm on March 25, 2019.

c) Identify all plans, reports and other deliverables required by this Consent Decree completed and submitted during the previous month;

- Submittals associated with the RA are detailed above.

d) Describe all actions, including, but not limited to, data collection and implementation of work plans, which are scheduled for the next six weeks and provide other information relating to the progress of construction, including, but not limited to, critical path diagrams, Gantt charts and Pert charts;

- Work as part of the RA will continue as discussed above. Construction activities were discontinued on November 2, 2018 for the winter season and will recommence on April 1 for the 2019 construction season.

e) Include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the schedule for implementation of the Work, and a description of efforts made in the previous month to mitigate those delays or anticipated delays;

- There are no unresolved delays that were encountered in March that would impact the schedule. Information regarding percent complete is presented above.

f) Include any modifications to the work plans or other schedules that Settling Defendants have proposed to EPA or that have been approved by EPA during the previous month;

- None.

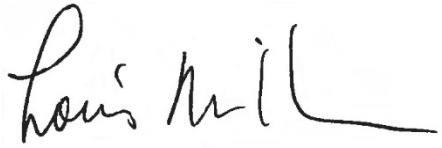
g) Describe all activities undertaken pursuant to Paragraph 110 during the previous month and those to be undertaken in the next six weeks;

- Mr. Ricky Sherwood, the community liaison, continued to received notifications and updates of meetings, construction activities and major mobilization and demobilization activities. A meeting was held in Spokane on March 7 with EPA and Tribal representatives during which the site history and orientation was presented. A meeting is scheduled for April 11 which will include tribal representatives.

We trust that this information satisfies the Monthly Progress Report requirements of the CD. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

WORTHINGTON MILLER ENVIRONMENTAL, LLC

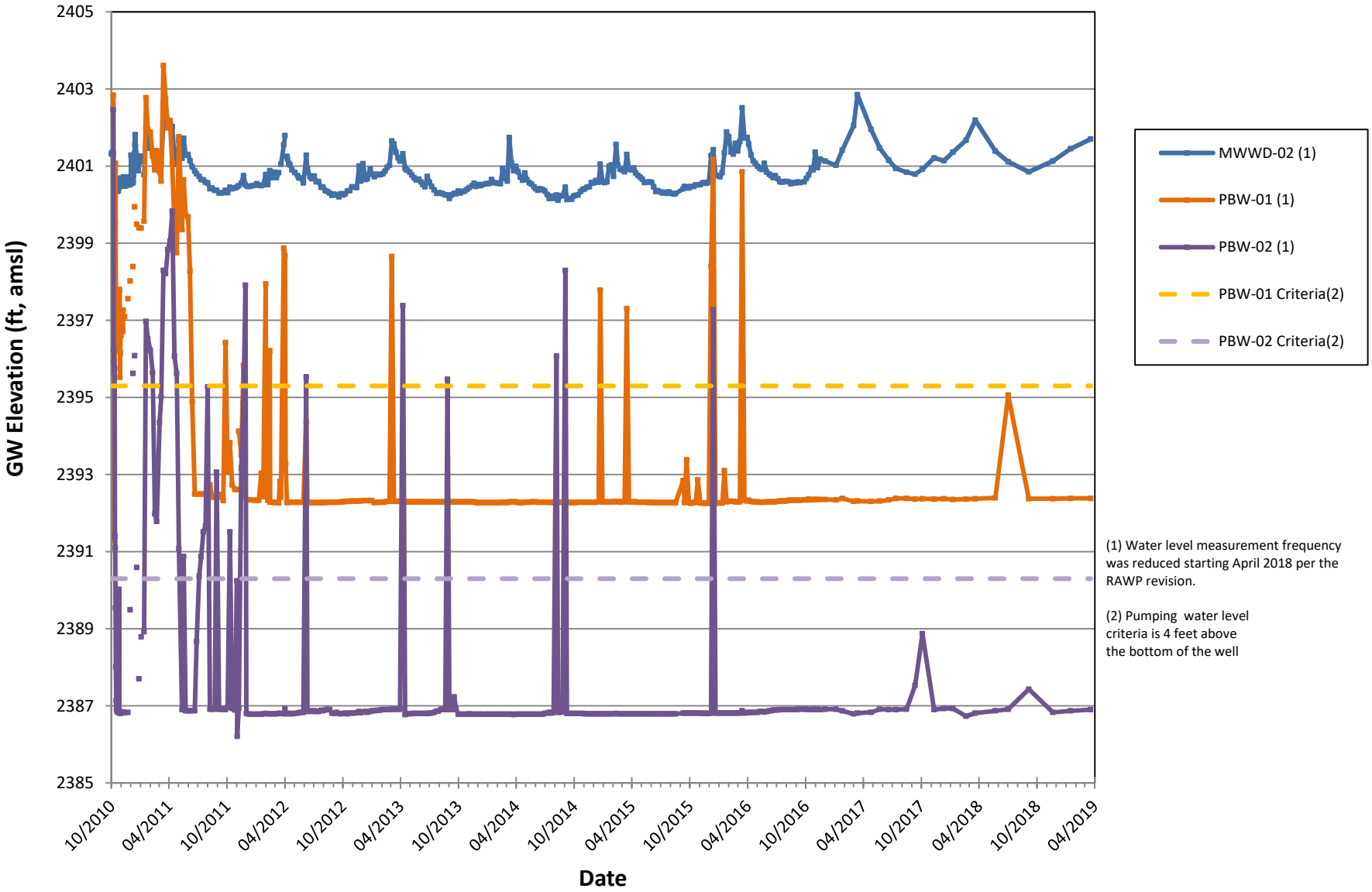


Louis Miller
Supervising Contractor

cc: Randy Connolly, Spokane Tribe of Indians
Bill Lyle, Newmont Mining Corporation
Steve Demus, Jacobs

ATTACHMENT 1

Figure 1
Groundwater Elevations at Western Drainage Wells



(1) Water level measurement frequency was reduced starting April 2018 per the RAWP revision.

(2) Pumping water level criteria is 4 feet above the bottom of the well

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
01/03/12	0.88	0.86	2392.33		2386.78	
01/09/12	0.89	0.84	2392.33		2386.78	
01/17/12	0.85	0.81	2393.03		2386.78	
01/23/12	0.86	0.83	2392.42		2386.79	
01/31/12	0.95	0.87	2397.94	pump replaced 1/30/12	2386.80	
02/07/12	0.87	0.8	2392.33		2386.79	
02/13/12	1.0	0.88	2396.21		2386.79	
02/20/12	0.89	0.84	2392.28		2386.79	
02/27/12	0.93	0.84	2392.27		2386.79	
03/05/12	0.89	0.81	2392.28		2386.79	
03/12/12	0.87	0.84	2392.26		2386.80	
03/16/12	0.98	0.91	2392.82		2386.80	
03/19/12	0.99	0.88	2392.41		2386.80	
03/28/12	1.14	0.95	2398.87		2386.79	
04/01/12	1.35	1.05	2398.67		2386.93	
04/07/12	1.25	0.9	2392.28		2386.80	
04/09/12	1.17	0.88	2392.27		2386.79	
04/13/12	1.0	0.87	2392.28		2386.80	
04/17/12	0.96	0.84	2392.28		2386.80	
04/23/12	0.90	0.83	2392.28		2386.79	
05/02/12	0.91	0.84	2392.28		2386.80	
05/11/12	0.90	0.89	2392.28		2386.81	
05/15/12	0.86	0.88	2392.28		2386.82	
05/21/12	0.87	0.78	2392.28		2386.83	
05/29/12	0.85	0.82	2392.28		2386.83	
06/07/12	1.06	1.16	2394.37		2395.53	
06/11/12	0.92	1.11	2392.27		2386.85	
06/19/12	0.92	0.99	2392.27		2386.87	
06/25/12	0.97	0.96	2392.27		2386.85	
07/02/12	0.96	0.94	2392.27		2386.87	
07/09/12	0.95	0.35	2392.27		2386.85	cleaned flow meter
07/16/12	0.93	0.79	2392.27		2386.85	
07/24/12	0.92	0.81	2392.27		2386.88	
07/30/12	0.95	0.8	2392.27		2386.87	
08/06/12	0.88	0.78	2392.27		2386.89	
08/13/12	0.94	0.75	2392.28		2386.91	
08/20/12	0.8	0.56	2392.28		2386.90	installed new pump
08/27/12	0.88	0.97	2392.28		2386.81	
09/03/12	0.91	0.74	2392.28		2386.80	
09/11/12	0.89	1.01	2392.28		2386.83	
09/18/12	0.9	0.77	2392.28		2386.80	
09/24/12	0.89	0.76	2392.29		2386.79	
10/02/12	0.78	0.71	2392.29		2386.80	
10/08/12	0.8	0.75	2392.30		2386.81	
10/15/12	0.91	0.77	2392.30		2386.79	
10/22/12	0.94	0.8	2392.30		2386.81	
10/29/12	0.92	0.8	2392.31		2386.81	
11/05/12	0.92	0.8	2392.31		2386.81	
11/13/12	0.91	0.82	2392.30		2386.82	
11/21/12	0.97	0.88	2392.31		2386.85	
11/26/12	0.89	0.81	2392.31		2386.82	
12/03/12	0.97	0.89	2392.32		2386.84	
12/11/12	0.94	0.84	2392.32		2386.85	
12/17/12	0.98	0.85	2392.32		2386.83	
12/26/12	0.97	0.91	2392.32		2386.85	
12/31/12	0.94	0.89	2392.32		2386.87	
01/08/13	0.95	0.92	2392.27		2386.87	
01/14/13	0.97	0.93	2392.28		2386.88	
01/21/13	0.97	0.94	2392.28		2386.88	
01/28/13	0.98	0.94	2392.28		2386.89	
02/04/13	0.97	0.96	2392.28		2386.90	
02/11/13	1.00	0.94	2392.29		2386.90	
02/18/13	1.04	0.97	2392.30		2386.90	
02/25/13	1.07	0.98	2392.30		2386.90	
03/04/13	1.29	1.11	2398.65	turned up pump to 24 vdc on 3/4/13; then to 26 vdc on 3/5/13	2386.91	
03/11/13	1.4	1.13	2392.30		2386.91	
03/17/13	1.24	0.81	2392.30		2386.91	
03/24/13	1.08	0.79	2392.30		2386.91	
03/30/13	1.0	0.78	2392.30		2386.91	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
04/08/13	1.07	1.17	2392.31		2397.38	pump not working; replaced
04/15/13	0.94	0.87	2392.29		2386.77	
04/18/13			2392.30			
04/22/13	0.9	0.84	2392.29		2386.79	
04/30/13	0.8	0.84	2392.29		2386.79	
05/06/13	0.81	0.83	2392.29		2386.80	
05/13/13	0.86	0.87	2392.29		2386.80	
05/20/13	0.85	0.82	2392.29		2386.80	
05/28/13	0.83	0.81	2392.29		2386.80	
06/04/13	0.81	0.8	2392.29		2386.80	
06/10/13	0.82	0.78	2392.29		2386.80	
06/17/13	0.82	0.78	2392.29		2386.80	
06/24/13	0.81	0.81	2392.29		2386.80	
07/01/13	0.82	0.76	2392.29		2386.81	
07/08/13	0.83	0.76	2392.29		2386.81	
07/16/13	0.84	0.72	2392.29		2386.83	
07/24/13	0.83	0.64	2392.29		2386.86	
07/29/13	0.83	0.62	2392.29		2386.86	
08/06/13	0.72	0.63	2392.29		2386.90	
08/12/13	0.75	0.76	2392.29		2386.91	
08/20/13	0.86	0.79	2392.29		2386.90	
08/27/13	0.84	1.04	2392.29		2395.47	recovering after power outage
09/02/13	0.82	0.84	2392.29		2386.90	
09/09/13	0.84	0.87	2392.29		2386.90	
09/17/13	0.85	0.85	2392.29		2387.23	
09/23/13	0.83	0.87	2392.29		2386.91	
09/30/13	0.86	0.92	2392.29		2386.78	
10/07/13	0.85	0.89	2392.29		2386.78	
10/15/13	0.83	0.86	2392.29		2386.78	
10/21/13	0.83	0.84	2392.29		2386.78	
10/28/13	0.8	0.84	2392.29		2386.78	
11/04/13	0.83	0.87	2392.29		2386.79	
11/13/13	0.82	0.80	2392.29		2386.78	
11/19/13	0.83	0.78	2392.29		2386.78	
11/25/13	0.87	0.79	2392.27		2386.78	
12/02/13	0.85	0.80	2392.27		2386.78	
12/09/13	0.87	0.81	2392.27		2386.78	
12/16/13	0.86	0.81	2392.27		2386.78	
12/26/13	0.86	0.82	2392.27		2386.78	
12/30/13	0.86	0.81	2392.27		2386.78	
01/06/14	0.82	0.8	2392.27		2386.78	
01/13/14	0.85	0.81	2392.27		2386.78	
01/21/14	0.84	0.8	2392.27		2386.78	
01/28/14	0.84	0.81	2392.27		2386.78	
02/03/14	0.82	0.8	2392.27		2386.78	
02/10/14	0.83	0.79	2392.27		2386.78	
02/17/14	0.96	0.84	2392.28	cleaned flow meter	2386.78	
02/24/14	0.84	0.97	2392.27		2386.78	cleaned flow meter
03/04/14	0.82	0.76	2392.27		2386.78	
03/10/14	1.12	0.93	2392.29		2386.78	
03/17/14	1.00	0.85	2392.29		2386.78	
03/24/14	0.92	0.86	2392.29		2386.77	
03/31/14	0.93	0.85	2392.29		2386.78	
04/07/14	0.91	0.82	2392.27		2386.78	
04/14/14	0.86	0.78	2392.27		2386.78	
04/21/14	0.86	0.82	2392.27		2386.78	
04/28/14	0.89	0.84	2392.28		2386.78	
05/05/14	0.88	0.80	2392.28		2386.78	
05/12/14	0.82	0.77	2392.28		2386.78	
05/19/14	0.82	0.75	2392.29		2386.78	
05/27/14	0.86	0.76	2392.29		2386.78	
06/02/14	0.84	0.72	2392.29		2386.78	
06/09/14	--	0.71	2392.28	flow meter broken	2386.78	
06/16/14	0.8	0.67	2392.28		2386.78	
06/23/14	0.8	0.74	2392.28		2386.78	
06/30/14	0.81	0.68	2392.28		2386.80	
07/08/14	0.8	0.67	2392.28		2386.81	
07/14/14	0.81	0.67	2392.28		2386.83	
07/21/14	0.82	0.67	2392.27		2386.81	
07/28/14	0.8	0.62	2392.28		2386.83	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
08/06/14	0.84	1.12	2392.28		2396.07	recovering after power outage
08/11/14	0.8	0.79	2392.28		2386.83	
08/18/14	0.82	0.78	2392.28		2386.83	
08/25/14	0.83	0.78	2392.28		2386.84	
09/03/14	0.85	1.23	2392.28		2398.29	pump replaced
09/08/14	0.8	1.12	2392.28		2386.80	cleaned flow meter
09/15/14	0.78	0.89	2392.27		2386.80	
09/22/14	0.79	0.87	2392.27		2386.80	
09/23/14	NM	NM	2392.27		NM	
09/29/14	0.81	0.87	2392.27		2386.80	
10/06/14	0.8	0.83	2392.27		2386.80	
10/13/14	0.78	0.82	2392.28		2386.80	
10/21/14	0.8	0.83	2392.28		2386.80	
10/28/14	0.81	0.85	2392.28		2386.80	
11/03/14	0.79	0.84	2392.28		2386.79	
11/11/14	0.81	0.82	2392.28		2386.79	
11/18/14	0.79	0.79	2392.28		2386.79	
11/24/14	0.79	0.81	2392.28		2386.79	
12/01/14	0.8	0.81	2392.28		2386.79	
12/08/14	0.79	0.8	2392.28		2386.79	
12/17/14	0.79	0.77	2392.29		2386.79	
12/22/14	0.81	0.86	2397.78	turned up pump to 20 vdc to get WL back down	2386.79	
12/29/14	0.8	0.8	2392.29		2386.79	
01/05/15	0.8	0.8	2392.29		2386.79	
01/12/15	0.78	0.77	2392.29		2386.79	
01/19/15	0.86	0.78	2392.29		2386.79	
01/26/15	0.86	0.78	2392.29		2386.79	
02/02/15	0.81	0.74	2392.29		2386.79	
02/10/15	1.09	0.89	2392.30		2386.80	
02/17/15	0.95	0.77	2392.29		2386.79	
02/23/15	0.9	0.75	2392.29		2386.79	
03/02/15	0.88	0.71	2392.29		2386.79	
03/09/15	0.86	0.74	2392.29		2386.79	
03/16/15	1.01	0.79	2397.30		2386.79	
03/23/15	0.9	0.74	2392.29		2386.79	
03/29/15	0.89	0.71	2392.29		2386.79	
04/07/15	0.88	0.73	2392.29		2386.79	
04/13/15	0.86	0.70	2392.29		2386.79	
04/20/15	0.85	0.69	2392.28		2386.79	
04/27/15	0.83	0.67	2392.28		2386.79	
05/04/15	0.83	0.64	2392.28		2386.79	
05/11/15	0.81	0.58	2392.28		2386.79	
05/18/15	0.81	0.62	2392.28		2386.79	
05/26/15	0.82	0.6	2392.27		2386.79	
06/02/15	0.83	0.59	2392.28		2386.79	
06/09/15	0.81	0.58	2392.27		2386.79	
06/16/15	0.80	0.59	2392.27		2386.79	
06/22/15	0.80	0.53	2392.27		2386.79	
06/30/15	0.80	0.52	2392.27		2386.79	
07/06/15	0.79	0.54	2392.27		2386.79	
07/14/15	0.79	0.57	2392.27		2386.79	
07/20/15	0.78	0.58	2392.27		2386.79	
07/27/15	0.78	0.59	2392.27		2386.79	
08/03/15	0.77	0.57	2392.27		2386.79	
08/12/15	0.76	0.56	2392.27		2386.79	
8/17/15*	0.76	0.54	2392.27		2386.79	
09/10/15	0.75	0.58	2392.84		2386.81	
09/14/15	0.75	0.58	2392.27		2386.81	
09/21/15	0.76	0.55	2393.38		2386.81	
09/28/15	0.75	0.61	2392.27		2386.81	
10/05/15	0.80	0.59	2392.25		2386.81	
10/13/15	0.78	0.6	2392.27		2386.81	
10/19/15	0.81	0.77	2392.28		2386.81	
10/26/15	0.81	0.75	2392.86		2386.81	
11/03/15	0.82	0.86	2392.26		2386.81	
11/10/15	0.82	0.80	2392.26		2386.80	
11/16/15	0.82	0.76	2392.25		2386.81	
11/23/15	0.83	0.82	2392.26		2386.80	
11/30/15	0.82	0.79	2392.25		2386.80	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
12/07/15	0.89	0.84	2398.40	turned up pump to 20 vdc to get WL back down	2386.81	
12/14/15	1.15	1.04	2401.17	pump 22 vdc	2397.27	circuit breaker feeding pump back well pumps tripped out; fixed problem and reset breaker
12/21/15	0.88	0.78	2392.25		2386.81	
12/28/15	0.86	0.79	2392.26		2386.81	
01/04/16	0.87	0.72	2392.26		2386.81	
01/11/16	0.86	0.72	2392.26		2386.81	
01/18/16	1.00	0.82	2393.10		2386.81	
01/25/16	1.46	0.91	2392.29		2386.81	
02/01/16	1.44	0.88	2392.30		2386.81	
02/08/16	1.10	0.8	2392.30		2386.81	
02/15/16	1.06	0.77	2392.30		2386.81	
02/22/16	1.27	0.8	2392.29		2386.81	
02/29/16	1.22	0.75	2392.29		2386.81	
03/07/16	1.24	0.78	2392.29		2386.81	
03/14/16	1.73	0.92	2400.85	turned up pump to 32 vdc to get WL back down	2386.87	
03/21/16	1.52	0.81	2392.33	pump 30 vdc	2386.81	
03/30/16	1.58	0.8	2392.31		2386.83	
04/04/16	1.60	0.76	2392.33		2386.82	
04/11/16	1.23	0.71	2392.30		2386.83	
04/18/16	1.09	0.63	2392.29		2386.83	
04/25/16	1.02	0.61	2392.29		2386.83	
05/02/16	0.95	0.58	2392.29		2386.83	
05/09/16	0.86	0.54	2392.28		2386.85	
05/16/16	0.83	0.56	2392.28		2386.85	
05/23/16	0.94	0.55	2392.28		2386.84	
05/31/16	0.82	0.52	2392.29		2386.85	
06/08/16	0.78	0.51	2392.29		2386.87	
06/14/16	0.75	0.51	2392.29		2386.87	
06/20/16	0.68	0.50	2392.29		2386.89	
06/27/16	0.73	0.49	2392.29		2386.89	
07/05/16	0.62	0.49	2392.30		2386.89	
07/11/16	0.70	0.52	2392.31		2386.90	
07/19/16	0.77	0.51	2392.31		2386.90	
07/25/16	0.70	0.51	2392.31		2386.90	
08/01/16	0.76	0.53	2392.31		2386.90	
08/08/16	0.73	0.49	2392.33		2386.90	
08/15/16	0.72	0.53	2392.33		2386.90	
08/23/16	0.70	0.51	2392.33		2386.90	
08/30/16	0.73	0.49	2392.33		2386.90	
09/06/16	0.73	0.48	2392.33		2386.91	
09/13/16	0.76	0.48	2392.33		2386.91	
09/26/16	0.74	0.45	2392.34		2386.91	
10/03/16	0.77	0.42	2392.34		2386.91	
10/10/16	0.77	0.41	2392.36		2386.90	
10/19/16	0.78	0.38	2392.34		2386.90	
10/24/16	0.83	0.34	2392.35		2386.91	
10/31/16	1.02	0.53	2392.35		2386.90	
11/07/16	0.90	0.49	2392.35		2386.91	
11/15/16	0.90	0.51	2392.35		2386.90	
12/01/16	0.92	0.51	2392.35		2386.91	
01/04/17	NM	NM	2392.34		2386.91	
01/06/17	0.82	0.48	NM		NM	
01/10/17	0.82	0.69	NM		NM	
01/16/17	0.83	0.58	NM		NM	
01/23/17	1.03	0.57	NM		NM	
01/24/17	NM	NM	2392.38		2386.87	
01/30/17	0.84	0.48	NM		NM	
02/07/17	0.83	0.49	NM		NM	
02/13/17	0.88	0.59	NM		NM	
02/22/17	1.32	0.79	NM		NM	
03/01/17	1.08	0.69	2392.30		2386.79	
03/06/17	1.04	0.70	NM		NM	
03/13/17	1.52	0.76	2392.31		2386.81	
03/20/17	1.28	0.76	NM		NM	
03/29/17	1.56	0.80	NM		NM	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
04/04/17	1.08	0.74	NM		NM	
04/10/17	0.96	0.70	NM		NM	
04/17/17	1.32	0.76	NM		NM	
04/24/17	1.04	0.72	2392.30		2386.83	
05/01/17	0.72	0.74	NM		NM	
05/08/17	0.75	0.62	NM		NM	
05/15/17	0.73	0.50	NM		NM	
05/22/17	0.68	0.64	2392.31		2386.91	
05/30/17	0.61	0.54	NM		NM	
06/05/17	0.62	0.52	NM		NM	
06/12/17	0.54	0.52	NM		NM	
06/19/17	0.68	0.59	NM		NM	
06/20/17	NM	NM	2392.34		2386.90	
06/27/17	0.59	0.44	NM		NM	
07/05/17	0.46	0.50	NM		NM	
07/10/17	0.58	0.54	NM		NM	
07/12/17	NM	NM	2392.38		2386.90	
07/17/17	0.52	0.48	NM		NM	
07/25/17	0.48	0.44	NM		NM	
07/31/17	0.52	0.32	NM		NM	
08/07/17	0.62	0.47	NM		NM	
08/14/17	0.30	0.37	NM		NM	
08/15/17	NM	NM	2392.38		2386.91	
08/21/17	0.40	0.37	NM		NM	
08/28/17	0.56	0.32	NM		NM	
09/05/17	0.46	0.44	NM		NM	
09/11/17	0.40	0.35	2392.36		2387.53	
09/19/17	0.64	0.52	NM		NM	
09/25/17	0.43	0.48	NM		NM	
10/02/17	0.45	0.46	NM		NM	
10/04/17	NM	NM	2392.37		2388.87	
10/11/17	0.43	0.52	NM		NM	
10/16/17	0.38	0.42	NM		NM	
10/23/17	0.46	0.62	NM		NM	
10/30/17	0.45	0.45	NM		NM	
11/07/17	0.47	0.43	NM		NM	
11/10/17	NM	NM	2392.36		2386.90	
11/13/17	0.47	0.40	NM		NM	
11/20/17	0.49	0.57	NM		NM	
11/27/17	0.50	0.47	NM		NM	
12/04/17	0.50	0.57	NM		NM	
12/11/17	0.49	0.42	2392.37		2386.93	
12/18/17	0.54	0.44	NM		NM	
12/27/17	0.52	0.44	NM		NM	
01/03/18	0.52	0.32	NM		NM	
01/08/18	0.54	0.40	2392.35		2386.93	
01/15/18	0.57	0.40	NM		NM	
01/21/18	0.60	0.30	NM		NM	
01/28/18	0.68	0.79	NM		NM	
02/04/18	0.7	0.64	NM		NM	
02/11/18	0.67	0.59	NM		NM	
02/18/18	0.6	0.57	NM		NM	
02/19/18	NM	NM	2392.36		2386.73	
02/25/18	0.58	0.54	NM		NM	
03/04/18	0.60	0.65	NM		NM	
03/12/18	0.71	0.67	NM		NM	
03/18/18	0.74	0.60	NM		NM	
03/20/18	NM	NM	2392.37		2386.81	
03/25/18	0.72	0.57	NM		NM	
04/02/18	0.68	0.52	NM		NM	
04/08/18	0.67	0.47	NM		NM	
04/15/18	0.73	0.50	NM		NM	
04/23/18	0.71	0.48	NM		NM	
04/30/18	0.65	0.43	NM		NM	
05/08/18	0.54	0.46	NM		NM	
05/14/18	0.57	0.20	NM		NM	
05/22/18	0.58	0.34	2392.39		2386.87	
05/29/18	0.56	0.34	NM		NM	
06/04/18	0.54	0.45	NM		NM	
06/12/18	0.53	0.45	NM		NM	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels[1] PBW-01 (ft amsl)	PBW-01 Notes	Water Levels[1] PBW-02 (ft amsl)	PBW-02 Notes
06/18/18	0.47	0.49	NM		NM	
06/25/18	0.47	0.36	NM		NM	
07/02/18	0.52	0.34	2395.06		2386.91	
07/09/18	0.42	0.37	NM		NM	
07/16/18	0.39	0.24	NM		NM	
07/23/18	0.40	0.22	NM		NM	
07/30/18	0.40	0.52	NM		NM	
08/08/18	0.50	0.31	NM		NM	
08/13/18	0.40	0.29	NM		NM	
08/21/18	0.42	0.30	NM		NM	
08/27/18	0.42	0.29	NM		NM	
09/04/18	0.44	0.30	NM		NM	
09/05/18	NM	NM	2392.37		2387.43	
09/10/18	0.52	0.58	NM		NM	
09/17/18	0.42	0.48	NM		NM	
09/24/18	0.44	0.27	NM		NM	
10/02/18	0.46	0.29	NM		NM	
10/08/18	0.42	0.36	NM		NM	
10/15/18	0.46	0.36	NM		NM	
10/22/18	0.62	0.56	NM		NM	
10/29/18	0.51	0.52	NM		NM	
11/05/18	0.48	0.46	NM		NM	
11/12/18	0.47	0.38	NM		NM	
11/19/18	0.52	0.28	NM		NM	
11/20/18	NM	NM	2392.37		2386.83	
11/26/18	0.54	0.36	NM		NM	
12/03/18	0.52	0.28	NM		NM	
12/10/18	0.52	0.2	NM		NM	
12/19/18	0.54	0.14	NM		NM	
12/26/18	0.56	0.72	NM		NM	
12/31/18	0.6	0.34	NM		NM	
01/07/19	0.57	0.3	NM		NM	
01/14/19	0.52	0.36	NM		NM	
01/15/19	NM	NM	2392.38		2386.87	
01/21/19	0.52	0.38	NM		NM	
01/28/19	0.45	0.36	NM		NM	
02/04/19	0.5	0.34	NM		NM	
02/11/19	0.5	0.29	NM		NM	
02/18/19	0.5	0.34	NM		NM	
02/25/19	0.56	0.24	NM		NM	
03/04/19	0.54	0.34	NM		NM	
03/11/19	0.52	0.46	NM		NM	
03/18/19	0.54	0.57	NM		NM	
03/19/19	NM	NM	2392.38		2386.90	
03/25/19	0.67	0.64	NM		NM	

[1] Pumping criteria water level is four feet above the bottom of the well

PBW-01 Criteria = 2395.34

PBW-02 Criteria = 2390.25

* Late August/early Sept 2015 measurements not taken due site closure from fire conditions

NM = not measured on that date

ATTACHMENT 2

Monthly Weather Summary for Midnite Mine

March 2019

Day of Month	Max Solar Rad (W/m^2)	Wind			Air Temperature			Relative Humidity			Precip. (in)
		Ave. (mph)	Ave Dir.	Max (mph)	Ave. (°F)	Max (°F)	Min (°F)	Ave. (%)	Max (%)	Min (%)	
3/1/2019	590	1.4	175	2.6	22	34	14	82	92	61	0.00
3/2/2019	525	4.6	88	7.2	20	30	13	66	92	51	0.00
3/3/2019	620	3.6	54	5.4	17	29	10	39	56	27	0.00
3/4/2019	620	3.3	76	6.4	23	35	12	36	47	27	0.00
3/5/2019	526	4.1	76	6.3	31	39	21	43	54	37	0.00
3/6/2019	192	5.1	61	7.8	32	35	25	83	97	54	0.12
3/7/2019	640	1.1	103	5.9	26	33	22	87	94	69	0.00
3/8/2019	210	0.8	134	3.2	26	34	20	84	93	64	0.00
3/9/2019	509	1.2	115	4.0	26	35	19	79	93	59	0.00
3/10/2019	647	2.4	262	4.7	26	35	19	76	94	55	0.00
3/11/2019	631	2.1	131	5.2	28	38	16	73	94	53	0.00
3/12/2019	256	2.4	181	5.1	31	34	28	89	96	76	0.57
3/13/2019	675	3.7	284	7.6	34	45	25	66	81	47	0.00
3/14/2019	605	2.5	207	4.0	31	41	22	73	93	56	0.00
3/15/2019	653	2.4	209	3.9	36	46	26	58	74	39	0.00
3/16/2019	654	1.9	273	3.3	39	50	29	58	73	42	0.00
3/17/2019	677	2.1	283	4.0	42	53	34	56	69	40	0.00
3/18/2019	690	2.0	258	4.1	46	60	34	50	72	30	0.00
3/19/2019	681	1.7	216	3.0	50	64	36	41	60	27	0.00
3/20/2019	700	2.2	200	4.8	53	68	39	38	58	19	0.01
3/21/2019	692	2.1	238	3.8	50	63	39	44	69	32	0.00
3/22/2019	682	2.2	198	3.7	46	56	37	71	88	59	0.00
3/23/2019	680	1.8	167	3.7	48	57	38	70	89	50	0.00
3/24/2019	304	1.3	184	3.8	43	48	39	83	98	67	0.05
3/25/2019	563	3.4	83	5.9	46	54	38	70	96	45	0.01
3/26/2019	688	4.4	249	9.1	44	52	36	66	93	39	0.00
3/27/2019	514	3.0	134	6.5	44	52	32	49	73	30	0.00
3/28/2019	194	3.4	154	6.7	42	47	38	79	88	63	0.03
3/29/2019	473	2.1	273	3.7	45	53	38	71	90	50	0.00
3/30/2019	713	2.9	228	5.5	47	59	37	60	81	37	0.00
3/31/2019	742	2.8	223	5.4	48	57	43	58	71	41	0.01
MONTHLY STATISTICS											
Total											0.80
Ave.	566	2.6	178	5.0	37	46	28	64	81	47	
Max	742	5.1	284	9.1	53	68	43	89	98	76	
Min	192	0.8	54	2.6	17	29	10	36	47	19	